# Sustainable Materials Recovery Program

**Grant Information** 

Massachusetts
Department of Environmental Protection
May 5, 2020

### Agenda

- SMRP Grant Background
- Grant Timeline
- Minimum Eligibility Criteria

**QUESTION BREAK** 

Review of SMRP Grant Items

## General Timeframes for Webinar Topics in Recording

Agenda Topic	Start Time	End Time	
Introduction / Logistics / Agenda	0:00	12:50	
Minimum Eligibility Criteria	12:50	20:00	
Question Break	20:00	23:40	
Mattress Recycling Incentive	23:40	33:35	
Pay-As-You-Throw (PAYT)	33:35	39:20	
Education & Enforcement Coordinator	39:20	42:25	
Question Break	42:25	46:55	
Wheeled Recycling Carts / Food Carts	46:55	52:30	
School Recycling Assistance	55:15	1:00:30	
Waste Reduction / Organics Capacity Projects	1:00:30	1:17:15	
Question Break	1:17:15	1:20:00	
Small Scale Initiatives	1:20:00	1:21:35	
Recycling Dividends Program (RDP)	1:21:35	1:42:20	
Questions / Wrap-up	1:42:20	1:46:54	

## **SMRP Background**

- Created through Green Communities Act
- MassDEP regulations (310 CMR 19.300)
- Six municipal waste combustors qualified to earn Waste Energy Credits
- 50% of WECs revenue goes to "DEP approved recycling programs"
- Municipal Grant Program Year 11

https://www.tinyurl.com/SMRPGrant

## **SMRP Award History**

	FY16 († RDP \$/point)	FY17	FY18 († RDP \$/point)	FY19  (↑ RDP # points required from 6 to 8)	FY20 (RDP Combined Drop-off and Curbside)
Requested	\$5.8 M	\$5.1 M	\$7.3 M	\$6.7 M	\$8.1 M
# of Applicants	225	222	246	249	269
Awarded	\$5.0 M	\$4.1 M	\$6.5 M	\$5.2 M	\$6.9 M
# of Awardees	221	220	243	247	268

# **SMRP Timeline Municipal Grants**

**Application Issued:** April 6, 2020 (Re-TRAC)

**Grant Webinars** 

Thursday, April 30<sup>th</sup> 10-12 pm Tuesday, May 5<sup>th</sup> 1-3 pm

Application Deadline: June 10, 2020
May be extended due to COVID-19 crisis.

**Award Announcements:** targeted for August for Round 1 and October Round 2

## Who May Apply for SMRP?

#### **Individual Municipalities**

May be disqualified for open/active enforcement actions

#### **Regional Government Entities**

- Solid waste management districts, regional planning authorities, etc.
- Must be legislatively authorized

#### **Non-Profits**

- Federally recognized under Section 501(c)(3)
- Serving municipalities and residents
- > All municipalities have a ReTRAC account

#### Cert of Minimum Eligibility Criteria

#### **Annual Notification of Buy Recycled Policy**

Annual notification to department heads and employees with purchasing responsibility from Mayor, BOS, Town Manager/Administrator or CEO

#### **Recycling in Practice**

#### **Data Reporting Requirements**

- CY2018 & CY2019 Municipal Recycling and SW Survey
- CY2019 RDP Spending Report, if funds awarded

#### **ReTRAC Submission Process**

#### First:

- Recycling/Solid Waste survey for calendar years 2018 AND 2019
- RDP Annual Spending Report, if applicable

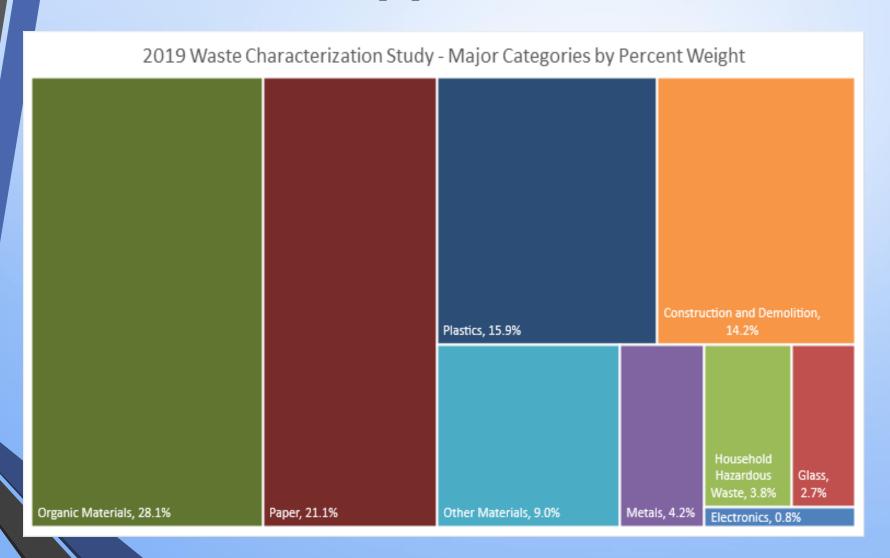
#### Second:

Cert. of Minimum Eligibility Criteria

#### Third:

Grant item applications

## Lots of Opportunities . . .



## Questions

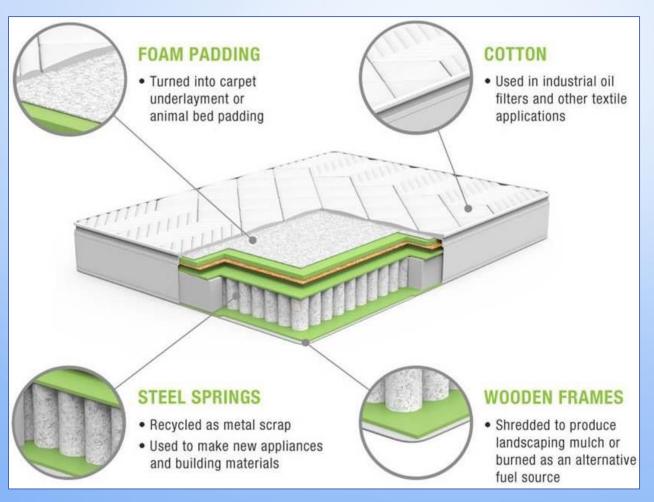
#### **SMRP Grant Items**

- Mattress Recycling Incentive
- PAYT/SMART Implementation Funds
- Education & Enforcement Coordinator
   QUESTION BREAK
- Curbside Recycling/Organics Carts
- Drop-off Equipment
- School Recycling Assistance
- Waste Reduction/Organics Capacity Projects
   QUESTION BREAK
- Small Scale Initiatives
- Recycling Dividends Program

Grant Guidelines – Detailed Information

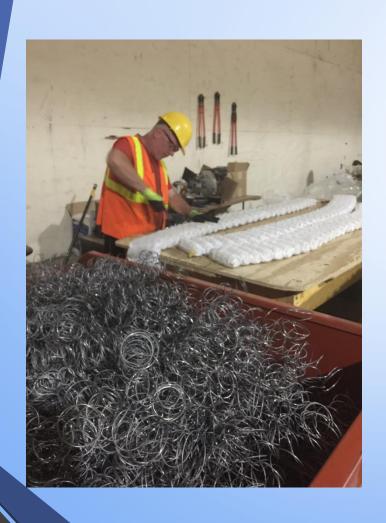
### **Mattress Recycling Incentive**

Promote source separation of residential mattresses and box springs for recycling and reuse.



Infographic courtesy of the Mattress Recycling Council (MRC)

#### **Mattress Deconstruction**







## **Mattress Recycling Incentive**

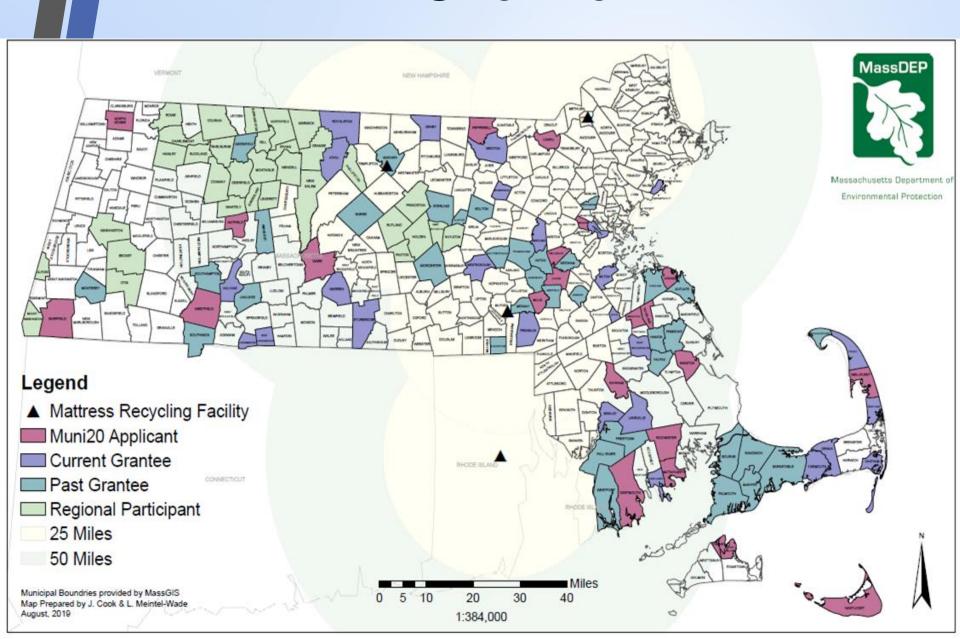
- Source-separated residential mattresses and box springs, collected curbside or at a drop-off.
- Grantees are matched with a recycling vendor – MassDEP assigns them based on location and cost.
- Grant provides (individual awards may vary):
  - Recycling services
  - Transportation services
  - Reimbursement for a collection container (up to \$7,500)



## **Mattress Recycling Incentive**

- Municipalities that will continue to offer outlets for <u>disposal</u> of mattresses may not be eligible – contact DEP to discuss specific situations.
- Set fees that will fund the program after the grant period ends; containers must be used for mattresses for 5 years.
- Staff either load mattress containers or actively direct residents in loading - must rearrange loads as needed.
- This is a one-time award; past grantees should not reapply.

#### **MRI** Overview



#### **MRI Program Results**

- More than 82,760 mattresses have been recycled through the MRI program.
- Approximately 2,276 tons of material diverted from disposal.
- MassDEP has spent more than \$1.59 million in grant funding for this program.

## MRI Program Example: Bourne

- Awarded the grant in 2016.
- Recycled 4,536 mattresses in 3 years.
- Value of grant \$62K.
- Approx. 6,260 total mattresses recycled by end of 2019.



## **FYI - Proposed Waste Ban**

- MassDEP is proposing to add mattresses to the list of "waste ban" materials, which means they are prohibited from disposal.
- Mattresses would need to be diverted and recycled (or reused/donated).
- Potential effective date of Fall 2021.

#### **PAYT/SMART Implementation Funds**

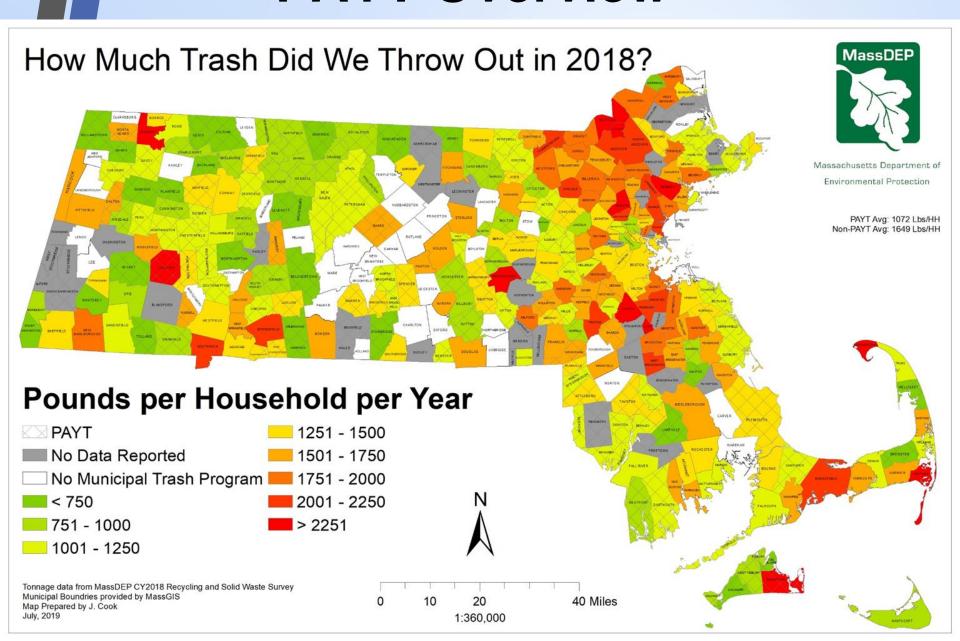
- Residents are charged for trash disposal based on the amount they throw away.
- Most successful program for reducing solid waste.
- Maximum Award Amount: \$300,000 PAYT\*.
- \*\$400,000 combined max w/ recycling carts.



#### **PAYT/SMART Implementation Funds**

- Start-up Funds for new SMART/PAYT program
  - Drop-off: \$10/household
  - Curbside:
    - With 35-gallon automated trash cart \$30/HH
    - With NO bag/barrels free -- \$20/HH
    - With ONE bag/barrel free -- \$10/HH
    - With ONE 64-gal cart free, collected EOW -- \$10/HH
- Upgrade to an Existing SMART/PAYT program
  - Drop-off:
    - Convert from 'one bag free' to 'no bags free' -- \$5/HH
    - Transition from a sticker to a bag program -- \$5/HH
  - Curbside:
    - Provide 35-gallon automated trash cart \$30/HH

#### **PAYT Overview**



### **PAYT Program Results**

- There are 153 municipalities in MA that have adopted PAYT.
- In 2018 the average amount of solid waste generated in PAYT/SMART municipalities was 1,072 pounds per household.
- This is 65% less than the 1,649 pounds per household generated in municipalities without PAYT/SMART programs.
- MassDEP has funded more than \$1.6 million in grants for this program.

#### **PAYT Program Example: Chicopee**

- Awarded a \$300,000 grant from MassDEP in 2017.
- Provided each HH with 35-gallon trash carts.
- Excess trash must be placed in PAYT bags.
- Outreach and education effort; dedicated enforcement.
- Results over 2 years:
  - Trash decreased: 17.4%
  - Recycling increased: 12.7%



www.mass.gov/lists/pay-as-you-throw-paytsave-moneyand-reduce-trash-smart

## Education & Enforcement Coordinator (EEC)

- Funds a new position to enforce private hauler regulations for trash and recycling.
- Prerequisites (in place at time of application):
- Regulations that require bundled service and pricing for residential generators.
- Mandatory recycling for all generators.
- Include enforcement mechanisms or penalties.

#### Best Practices for Municipalities Developing Private Hauler Regulations

FINAL – March 2017

Municipal Waste Ban Compliance Regulation

#### **NOTE TO USER**

The following document was developed in response to requests from municipal officials in the Commonwealth of Massachusetts who want to increase recycling by ensuring that all Private Haulers operating in the municipality are in compliance with the Massachusetts Waste Bans (310 CMR 19.017).

This document contains sample language that can be adopted as is, edited, or used in conjunction with Town specific language to best address the circumstances in each municipality. *Optional Language*, included as ATTACHMENT 2 with this document, provides additional language that may be important to some municipalities depending on their involvement in Solid Waste management, including: provision of recycling containers, unit-based pricing, food waste collection and other recycling incentives.

This guidance document can be used to adopt a bylaw/ordinance or regulation around three general areas:

#### **EEC Program**

- Individual municipality or a municipality acting as a lead for a multi-town regional initiative.
- Subscription, drop-off, and curbside municipalities are eligible for this grant.
- Funds available:
  - Part time EEC up to \$30,000
  - Full time EEC up to \$60,000



### **EEC Program**

- Enforce on private haulers.
- Ensure parallel access by enforcing bundled pricing requirements.
- Provide outreach and education to private haulers about recycling rules and the enforcement initiative.
- Implement the enforcement protocol on private haulers as allowed by the municipal regulations.

## Questions

## Curbside Equipment: Recycling Carts

- For single-stream or dual-stream recycling
- Maximum award \$110K / \$160K / \$210K
- Per household award based on trash limit:
  - \$10/HH for 64-gallon limit
  - \$15/HH for 48-gallon limit
  - \$20/HH for 35-gallon limit
- Municipality or Hauler to finance balance.



## **Curbside Equipment: Recycling Carts**



- Minimum cart size:
  - 64-gallon for weekly collection
  - 95-gallon for biweekly
  - Purchased of FAC87 or adhere to minimum recycled content
- Minimum request: 400 carts

### Curbside Equipment: Recycling Carts

- NEW: carts are required to have an informational sticker or in-molded label on the cart lid
- Must be consistent with the Smart Recycling Guide
- \$1 per cart to cover expense, maximum
   \$10,000



Smart Recycling Guide found at RecycleSmartMA.org

#### Curbside Equipment: Food Waste Carts

## For municipally financed food waste collection programs

- Maximum award \$100,000
- Per cart reimbursement of \$20
- Hauler and composting site must be identified before signing a Grant Agreement
- Implementation funds for municipally financed pilot projects (\$10/HH served, 400 -1,000 HH pilot, up to 2 years)
  - Additional \$1 per cart for in-molded labels

# Drop-off Recycling Collection Equipment

- Open Top Roll-off: up to \$6,000
  - Bulky Rigid Plastics: \$5,500
  - Glass: \$6,000 (heavy duty container)
- Closed Top Roll-off: up to \$7,500
  - Mattresses
- Compactor: up to \$8,000
  - Cardboard
  - Mixed paper and cardboard
  - Single-stream recyclables

## Drop-off Recycling Collection Equipment

Universal Waste Shed: up to \$3,000

- Minimum of 80 sq. ft
- Fluorescent lamps,
   batteries, mercury containing devices





Swap Shed: up to \$6,000

- Size and award amount to be determined by MassDEP
- Reusable household goods & furnishings

## School Recycling Assistance

- Applications for district-wide programs only
- Requires top-down commitment (district to each school)
- Start new recycling programs or expand existing programs
  - Paper, cardboard, bottles and cans
  - Dishwashers and durable food service ware (if full recycling in place)
  - Food waste (if full recycling in place)
- Award: Up to \$30,000 (maximum)
  - Projects may be implemented over 3 fiscal years

#### **School Recycling Assistance**

- Funding for start-up costs:
  - collection containers
  - education/outreach
  - program coordination
- Includes on-site technical assistance (walk-through for schools; implementation plan)
- Applicants should be prepared to address:
  - Program sustainability, tracking, and measurement
  - Scope of equipment needs and cost

# Waste Reduction/Organics Capacity Projects

- Waste Reduction project up to \$100,000 (Municipalities, Regional Authorities and Non-Profits)
- Permanent HHW Facility up to \$250,000
   (Municipalities and Regional Authorities)
- Processed Glass Aggregate start-up grants up to \$150,000 (Municipalities and Regional Authorities)
- Organics Capacity projects up to \$250,000
   (Municipalities and Regional Authorities)

## Waste Reduction/Organics Capacity Projects Application Process

- Download application from SMRP website:
   Mandatory Proposal Outline (template)
- Call MassDEP to discuss project idea
- Review evaluation criteria in Grant Guidance
- Prepare 4 to 8 page proposal must use template
- Obtain support letters, as needed
- Attach proposal (MS Word file) in ReTRAC
- Must be prepared to conduct project without dedicated MAC time

#### **Eligible Waste Reduction Projects:**

- Develop regional contract for recycling processing or collection
- Reuse, repair, share initiatives
- Permanent HHW collection facility
- Municipal collection sites (new or expanded): recycling, materials reuse, HHW, other source separated materials;
- Diversion programs for difficult to manage materials (textiles, carpet, bulky or film plastics, building materials, wasted food, furniture, mattresses)
- Innovative education and outreach initiatives
- Processed Glass Aggregate host sites

#### **Recently Funded Projects**

- Keep Mass Beautiful: education/outreach project
- Island Grown Initiative: composting site expansion, Martha's Vineyard
- Devens Eco-Efficiency Center: materials reuse program expansion

#### **Processed Glass Aggregate Projects**

- Grant for startup & capital costs for converting source separated glass to PGA at municipal sites.
- Must be a regional site with a single host applicant.
- Funds can be used for: equipment rental or purchase, site improvements, storage bunkers, limited site planning/consulting.
- Finished product must meet minus 3/8" spec in DEP Beneficial Use Determination.

#### PGA Projects (cont'd)

- Must use PGA in municipal projects or find other end users; finished PGA may be sold.
- Host site may charge municipalities for delivered glass; fee subject to MassDEP approval.
- Consider a "leave some / take some" approach.
- Grant funds may NOT be used for operating costs.
- Call Regional Solid Waste Section Chief re: permitting.
- Email Brooke Nash (<u>brooke.nash@mass.gov</u>) to set time to discuss your project.

#### **Processed Glass Aggregate**



## Town of Groton – Glass Crushing Equipment

\$136,500 grant awarded July 2018



#### Organics Capacity Projects

#### Eligible Organics Capacity Projects:

- Expansion of existing leaf and yard waste composting operations to include source separated food waste;
- New operations that will process source separated organics (including slurrying, anaerobic digestion, composting);
- Improving the efficiency of an existing operation that handles source separated food waste;
- Anaerobic digestion facilities accepting source separated food waste.

#### Use of Funds – up to \$250,000:

 Minimum of 85% for capital costs, e.g., construction, site improvements and equipment.

#### For Organics to *Energy* projects:

Other funding sources (for financial and technical assistance):

- Mass Clean Energy Center, MassDevelopment, Mass DOER, others
- Must be organics-to-energy project
- Complete funding list on MassDEP's website:

http://www.mass.gov/eea/agencies/massdep/climate-energy/energy/anaerobic-digestion/anaerobic-digestion-financing-and-technical.html

Email John Fischer (<u>john.fischer@mass.gov</u>) to discuss your organics project

## Questions

#### **Small Scale Initiatives**

- Regional groups
- Population based seasonal considered
- Small Scale or RDP
- Same spending as RDP
- Not necessary to apply for both SS and RDP

#### **Small Scale Initiatives**

<u>Population</u>	MassDEP Funds
0 – 5,000	\$500
5,001-10,000	\$750
10,001-15,000	\$1,000
15,001-25,000	\$1,250
25,001-50,000	\$1,500
50,000 and above	\$2,000

## Recycling Dividends Program Year 7

- Twelve Criteria [1-4 pts]
- Earn 8 of 26 points
   New grantees may enter with 6 points
- Curbside and Drop-off communities are eligible to apply for the same categories
- Point values dependent on # Trash HH served by municipality

#### **RDP Payment Brackets**

Trash HH Served	Value of Each Point	Minimum Payment	Maximum Payment
0 - 1,999	\$350	\$2,800	\$9,100
2,000 - 4,999	\$600	\$4,800	\$15,600
5,000 - 7,499	\$1,100	\$8,800	\$28,600
7,500 - 9,499	\$1,300	\$10,400	\$33,800
9,500 - 12,499	\$1,800	\$14,400	\$46,800
12,500 - 16,999	\$3,000	\$24,000	\$78,000
17,000 - 24,999	\$3,500	\$28,000	\$91,000
25,000 - 31,999	\$4,000	\$32,000	\$104,000
32,000 - 99,999	\$6,500	\$52,000	\$169,000
100,000 +	\$10,000	\$80,000	\$260,000

#### **RDP** Criteria

- Solid Waste Reduction
- Organics
- Bulky Items
- Reuse
- Yard Waste
- Household Hazardous Waste

- CHARM
- ADOPTED
   Comprehensive Hauler
   Regulations
- ENFORCED Residential Curbside Recycling
- Education and Outreach
- Recycling Center Access
- Textile Recovery

#### Solid Waste Reduction



Gloucester, Massachusetts

#### **Solid Waste Reduction**

- Full PAYT [4 pts]
- Modified PAYT excess in bags [4 pts]
- EOW with 64-gal carts [4 pts]
- Modified PAYT excess tags/stickers [3 pts]
- 48-gal trash limit [3 pts]
- EOW with 96-gal carts [3 pts]
- 64-gal trash limit [2 pts]

#### **Source Separated Organics**

- Town-wide organics collection [3 pts]
- Drop-off collection AND subsidized home composters with effective promotion and outreach [2 pts]
- Organics collected weekly- pilot –municipally funded, 400 HH min [1 pt]
- Subsidized home composters with effective promotion and outreach [1 pt]

#### Bulky Items - [2 pts]

- Minimum fee of at least \$5 for at least 3 of the listed items:
  - Mattresses
  - Upholstered furniture
  - Wood furniture
  - > Toilets
  - Sinks
  - Carpet



#### Reuse Programs

- Municipally run, permanent enclosed swap shop [2 pts]
- Repair Events, 3/yr [1 pt]
- Zero Waste Days, 2/yr [1 pt]
- Tool Library/Library of Things [1 pt]

www.mass.gov/info-details/municipal-reuse-repair-programs

#### Repair Events [1 pt]

- To Qualify for Repair Events
- Hold a minimum of three times per year and should be modeled after <u>Fixit</u> <u>Clinics©</u> or <u>Repair Cafes©</u> or a similar repair initiative
- The event must be in your municipality



Ray Pfau, Repair Cafe Ambassador, sharpens loppers with a volunteer in Bolton, MA.

#### Zero Waste Days [1 pt]

- 2 municipally located events per year; the contiguous exception for CHARM does not apply.
- Must be free for residents.
- Must collect a minimum of 8 categories listed in the Guidelines.



#### **Tool/Things Library [1 pt]**

- Open 1x week.
- Located in the municipality and easily accessible.
- Libraries must be advertised along with other recycling promotions.
- The Library must consist of at least thirty useful items.



#### **Yard Waste**

- Curbside collection of leaves and grass at least 20 weeks per year [2 pts]
- Drop-off open for leaves and grass at least 50 weeks per year [2 pts]
- Drop-off open for leaves and grass at least 30 weeks per year [1 pt]

#### **Household Hazardous Waste**



- Minimum 6x/year [2 pts]
- Minimum 2x/year [1 pt]

# Center for Hard to Recycle Materials - CHARM

- Open 12x year [2 pts]
- Open 6x year [1 pt]

Must collect 8 materials

Change to automotive waste category – must collect tires and lead acid batteries, and <u>either oil or antifreeze</u>

Plastic bags is now described as Film Plastics which includes: plastics bags, boat wrap, agricultural wrap

Mattresses qualify as three items

# ADOPTED Comprehensive Hauler Regulation [2 pts]

The municipality has adopted a bylaw/ordinance/regulation that requires all haulers collecting solid waste to provide a bundled service for collection of both solid waste and recyclables for each customer/generator.

In addition, the municipality must inform all generators (commercial and residential) at least once per year that recycling is mandatory. Must meet three requirements:

www.mass.gov/lists/implementing-mandatory-recycling-private-hauler-regulation

#### **ADOPTED Comprehensive Hauler Regulation**

- 1. For *Residential Customers/Generators*, the bundled service must provide customers with solid waste and recyclables collection at a rate that reflects the cost of both services. Solid waste and recycling services must be provided by the same hauler.
- 2. For *Commercial Customers/Generators*, the hauler must provide bundled solid waste and recyclables collection to all commercial customers (unless the customer can provide proof to the hauler that separate recycling services are provided by another permitted hauler).
- 3. Mandatory Recycling is required of all Generators through this or a separate municipal bylaw/ordinance, regulation or policy.

# Enforced Residential Curbside Recycling





www.mass.gov/lists/implementing-mandatory-recycling-private-hauler-regulations

# ENFORCED Residential Curbside Recycling

Residential curbside recycling is enforced by verifying compliance with recycling related requirements such as:

- Mandatory Recycling
- Quality Recycling, i.e. contamination reduction
- Private Hauler Regulations

PENALTIES REQUIRED

## ENFORCED Residential Curbside Recycling

#### **CURBSIDE COMMUNITIES**

- Mandatory Recycling
- Quality Recycling Contamination Reduction
- A minimum of 19 hours per week is spent on the street verifying compliance. [3 pts]
- A minimum of 10 hours per week is spent on the street verifying compliance. [1 pt]
- The hauler notifies municipal officials daily of non-compliance. [1 pt]

### ENFORCED Residential Curbside Recycling [3 pts]

DROP-OFF AND SUBSCRIPTION COMMUNITIES

Private Hauler Regulations

The municipality has adopted and **actively enforces** a bylaw/ordinance and/or regulation that requires private haulers to provide a bundled residential service for collection of both solid waste and recyclables.

www.mass.gov/lists/implementing-mandatory-recycling-private-hauler-regulations

#### Outreach & Education [1 pt]

- Fully implement the IQ Kit
   OR
- Complete five activities on the list of Assorted Educational and Promotional Efforts listed in the Guidelines

# Access to the Municipal Recycling Center

- Open to local haulers to tip recyclables [2 pts]
- Open to local businesses, annual reminder [1 pt]
- Open to non-residents [1 pt]
  - > No longer required to be free of charge.
- Open to residents not served by the municipal program free of charge, i.e., condos, multifamily units, etc. [1 pt]

#### **Textile Recovery [1 pt]**

Complete 5 activities from list of 14 activities



#### **FYI - Proposed Waste Ban**

- MassDEP is proposing to add textiles to list of "waste ban" materials, which means they are prohibited from disposal.
- Textiles would need to be diverted and donated, reused, or recycled.
- About 95% of textiles can be reused or recycled.
- Potential effective date of Fall 2021.

#### **Grant Program Contacts**

	ReTRAC questions, including login	cathy.doodnauth@mass.gov	
Cathy Doodnauth	Wheeled Recycling Carts		
	Drop-off Recycling/Organics Equipment		
	Small Scale Initiatives		
Rachel Smith	Mattress Recycling Initiative		
	Pay-As-You-Throw	rachel.smith@mass.gov	
	Education & Enforcement Coordinator		
Ann McGovern	Wheeled Food Waste Carts	- ann magayarn@maga gay	
	School Recycling Assistance	ann.mcgovern@mass.gov	
Brooke Nash	Waste Reduction Projects	brooke.nash@mass.gov	
John Fischer	Organics Capacity Projects	john.fischer@mass.gov	
Janine Bishop	Recycling Dividends Program	janine.bishop@mass.gov	

https://www.tinyurl.com/SMRPGrant